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(54) **METHOD AND SYSTEM FOR AUDIO DATA COLLECTION AND MANAGEMENT**

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(56) **References Cited**

U.S. PATENT DOCUMENTS

5,224,087 A * 6/1993 Maeda et al. 369/54

5,408,449 A * 4/1995 Oh 369/32
5,422,868 A * 6/1995 Koizumi et al. 369/32
5,430,697 A * 7/1995 Bu 369/32
5,457,669 A * 10/1995 Kim et al. 369/32
5,553,055 A * 9/1996 Yokota et al. 369/124
5,610,881 A * 3/1997 Park 369/32
5,825,726 A * 10/1998 Hwang et al. 369/32

OTHER PUBLICATIONS

"Information processing—Volume and file structure of CD–ROM for information interchange", ISO 9660: 1988 (E), pp. 1–31, International Organization for Standardization, Switzerland, Sep. 1988.

* cited by examiner

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(57) **ABSTRACT**

A method is provided for extracting music data from a compact disc and managing the music data. The method is configured to have the system extract at least a portion of an initial track of music data at an extracting rate that is greater than the listening rate. The system simultaneously writes the extracted portion of the initial track of music data to a storage media at the extracting rate while performing the extracting. Meanwhile, a user may listen to at least a portion of the extracted portion of the initial track of music data from the storage media at the listening rate.

8 Claims, 14 Drawing Sheets